

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	MAIL STOP AMENDMENT
Wai Choi Tang)	Group Art Unit: 2178
Application No.: 10/067,834)	Examiner: Joshua D Campbell
Filed: February 8, 2002)	Confirmation No.: 9561
For: A METHOD OF INPUTTING TEXT)	
INTO A DATA PROCESSING)	
APPARATUS)	

OK TO ENTER: /JC/

AMENDMENT

10/13/2009

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated July 8, 2009, please amend the above-identified patent application as follows:

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of inputting text into a data processing apparatus, including the steps of:

- a. providing a database of words that are arranged hierarchically into plural categories based on a common characteristic, each category having a plurality of levels;
- b. advancing through the word hierarchy based on a sequence of keystrokes input by a user, the sequence of keystrokes being used to select a candidate word from the database;
- c. displaying, in a first window, plural lines of text associated with the sequence of keystrokes, wherein each line of text represents a relationship between the candidate word and a respective category provided in the database as the user advances through the hierarchy;
- d. iteratively selecting **[[a line]]** multiple lines of text from said plural lines of text shown in said first window based on the candidate word;
- e. displaying said selected multiple lines of text in a second window; and

f. arrange arranging the candidate words of each selected line of text into a sentence.

2. (Original) The method of claim 1 wherein said data processing apparatus comprises a personal computer.

3. (Original) The method of claim 1 wherein said data processing apparatus comprises a personal digital assistant.

4. (Original) The method of claim 1 wherein said database of words is provided in a memory of said data processing apparatus.

5. (Previously Presented) The method of claim 1 wherein said output in said step (e) includes an audio output.

6.-9. (Cancelled)

10. (Currently Amended) The method of claim 1 wherein words comprising the selected ~~[[line]]~~ lines of text are displayed in said second window in a relational manner.

11. (Currently Amended) The method of claim 1 further ~~including~~ comprising:

adding additional words into said database.

12. (Currently Amended) The method of claim 1 further comprising:
allowing all occurrences of a word to be changed.

13. (Currently Amended) A ~~computer-readable~~ data carrier medium
containing a computer program configured and executable, when installed in a data
processing apparatus, to

(a) provide in said data processing apparatus a database of words that are
arranged hierarchically into plural categories based on a common characteristic,
each category having a plurality of levels,

(b) advance through the word hierarchy based on keystrokes input by a user,
the input keystrokes being used to select a candidate word from the database,

(c) display, in a first window, plural lines of text, each line of text representing
a relationship between the candidate word and a respective category provided in the
database as the user advances through the word hierarchy,

(d) iteratively select ~~[[a line]]~~ multiple lines of text from said plural lines of text
displayed in said first window based on the candidate word;

(e) display said selected multiple lines of text in a second window; and

(f) arrange the candidate words of each selected line of text into a sentence.

14. (Cancelled)

15. (Previously Presented) The medium of claim 13 wherein said medium
is an optically readable data disc.

16. (Previously Presented) The method of claim 1 wherein each line of text comprises plural words, each word representing a level in the word hierarchy and the words being separated by a "\" symbol.

17. - 19. (Canceled)

20. (Currently Amended) The method of claim ~~[[9]]~~ 1, further comprising: processing the ~~[[plural]]~~ multiple lines of text displayed in the second window based on interrelationships between the displayed words.

21. (Previously Presented) The method of claim 1, wherein the words are indexed in the database based on a common root feature.

22. (Previously Presented) The method of claim 1, wherein the common characteristic of words arranged hierarchically in the database includes at least one of a common significance and a common meaning of the words.

23. (Currently Amended) A method of inputting text into a data processing apparatus wherein words in a database are provided for current selection, the currently selected words being appended to a previously selected word whereby a sentence is formed, the method comprising the steps of:

- (a) arranging the words hierarchically in the database, based on a common characteristic, the hierarchical arrangement having plural categories wherein each category having a plurality of levels;
- (b) advancing through the word hierarchy based on a sequence of keystrokes input by a user, the sequence of keystrokes being used to select a candidate word from the database;
- (c) displaying, in a first window, plural lines of text associated ~~[[within]]~~ with the sequence of keystrokes, wherein each line of text represents a relationship between the candidate word and a respective category provided in the database as the user advances through the hierarchy;
- (d) iteratively selecting ~~[[a line]]~~ multiple lines of text from said plural lines of text shown in said first window based on the candidate word;
- (e) displaying said selected multiple lines of text in a second window; and
- (f) ~~arrange~~ arranging the candidate words of each selected line of text into the sentence.

24. (Previously Presented) The method of claim 23 wherein said data processing apparatus comprises a personal computer.

25. (Previously Presented) The method of claim 23 wherein said data processing apparatus comprises a personal digital assistant.

26. (Previously Presented) The method of claim 23 wherein said database of words is provided in a memory of said data processing apparatus.

27. (Previously Presented) The method of claim 23 wherein said output in said step (e) includes an audio output.

28. (Cancelled)

29. (Currently Amended) The method of claim ~~[[28]]~~ 23, further comprising:

processing the ~~[[plural]]~~ multiple lines of text displayed in the second window based on interrelationships between the displayed words.

30. (Currently Amended) The method of claim 23 wherein words comprising the selected ~~[[line]]~~ lines of text are displayed in said second window in a relational manner.

31. (Currently Amended) The method of claim 23 further ~~including~~ comprising:

adding additional words into said database.

32. (Currently Amended) The method of claim 23 further comprising:
allowing all occurrences of a word to be changed.

33. (Previously Presented) The method of claim 23 wherein each line of text comprises plural words, each word representing a level in the word hierarchy and the words being separated by a “\” symbol.

34. (Previously Presented) The method of claim 23, wherein the words are indexed in the database based on a common root feature.

35. (Previously Presented) The method of claim 23, wherein the common characteristic of words arranged hierarchically in the database includes at least one of a common significance and a common meaning of the words.

36. (Currently Amended) A ~~computer-readable~~ data carrier medium containing computer program that when installed in a data processing apparatus, provides words for current selection that are appended to a previously selected word whereby a sentence is formed, the computer-readable medium be configured to:

(a) provide in said data processing apparatus a database of words that are arranged hierarchically into plural categories based on a common characteristic, each category having a plurality of levels;

(b) advance through the word hierarchy based on keystrokes input by a user, the input keystrokes being used to select a candidate word from the database;

(c) display, in a first window, plural lines of text, each line of text representing a relationship between the candidate word and a respective category provided in the database as the user advances through the hierarchy;

- (d) iteratively select multiple lines of text from said plural lines of text shown in said first window based on the candidate word;
- (e) display said selected multiple lines of text in a second window; and
- (f) arrange the candidate words of each selected line of text into a sentence.

37. (Previously Presented) The medium of claim 36 wherein said medium is an optically readable data disc.

REMARKS

This communication is a full and timely response to the non-final Office Action dated July 8, 2009. Claims 1-5, 10-13, 15, 26, 20-27, and 30-37 remain pending, where claims 6-8, 14, and 16-19 were previously canceled. By this communication, claims 9 and 28 are canceled without prejudice or disclaimer of the underlying subject matter and claims 1, 10-13, 20, 23, 29-32, and 36 are amended.

Allowable Subject Matter

Applicant acknowledges with appreciation the indication that claims 9, 20, 28, and 29 contain allowable subject matter.

Objections to the Specification

On page 2 of the Office Action, the specification stands objected to for failing to provide a proper antecedent basis. In an effort to expedite prosecution, Applicants have amended the claims in a manner that addresses the Examiner's concern with respect to the specification. Withdrawal of this rejection, therefore, is respectfully requested.

Rejections Under 35 U.S.C. §112

Claims 1-5, 9-13, 15, 16, and 20-37 are rejected under 35 U.S.C. §112, second paragraph, for alleged indefiniteness. Applicant respectfully traverses this rejection. However, in an effort to expedite prosecution, Applicant's claims are amended to address these concerns. Withdrawal of this rejection, therefore, is respectfully requested.

Rejections Under 35 U.S.C. §§102 and 103

Applicant's claims stand variously rejected for an alleged lack of novelty and obviousness over the prior art. In particular, claims 1-5, 10-13, 21-27, 30-32, and 34-36 stand rejected under 35 U.S.C. §102(e) for alleged anticipation by *Chasen et al.* (US 6,760,721); claims 15 and 37 are rejected under 35 U.S.C. §103(a) for alleged unpatentability over *Chasen*; and claims 16 and 33 are rejected under 35 U.S.C. §103(a) for alleged unpatentability over *Chasen* in view of *Pfaffenberger et al.* ("Microsoft Windows 98 and the Internet," (1999)). Applicant respectfully traverses these rejections. However, in an effort to expedite prosecution, claims 1, 13, 23, and 36 are amended to include allowable subject matter recited in claims 9 and 28. Therefore, withdrawal of this rejection is respectfully requested.

Conclusion

Based on the foregoing amendments and remarks, claims 1-5, 10-13, 15, 26, 20-27, and 30-37 are allowable and this application is in condition for allowance. In the event any issues adverse to the patentability of this application remain, the PTO is encouraged to contact Applicant's representative identified below.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: October 8, 2009

By: /Shawn B. Cage/
Shawn B. Cage
Registration No. 51522

Customer No. 21839
703 836 6620